

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) ~~Method~~ A method for ~~manufacture of~~ manufacturing toroidal transformers, the method comprising ~~the steps of:~~

arranging a coil around ~~the~~ a periphery of at least one hollow bobbin of elongated shape and of flexible material;

bending said at least one bobbin, together with said coil, so that ends of the bobbin ~~ends~~ are brought towards each other, at least one of said bobbin ends defining an opening; and

feeding a ribbon of magnetic material through said opening, so that said ribbon is ~~being~~ wound a required amount of tightly packed winding turns inside said bobbin until ~~essentially the whole~~ substantially an entire interior cavity of said bobbin is filled, said ribbon thereby forming a core.

2. (Currently Amended) ~~Method~~ The method according to claim 1, further comprising ~~the additional step of:~~

cutting said ribbon at a desired length after having fed said ribbon through said opening.

3. (Currently Amended) ~~Method~~ The method according to claim 1,
further comprising ~~the additional step of~~:
pre-bending said ribbon at one of the end intended to first be fed through said opening.

4. (Currently Amended) ~~Method~~ The method according to claim 1,
further comprising ~~the additional step of~~:
providing a part of said ribbon first being fed into the bobbin ~~essentially~~
corresponding to the first wound winding inside said bobbin of said ribbon, on the side facing ~~the~~ an inner curvature of the interior hollow cavity of the bobbin, with a layer having a low coefficient of friction for facilitating sliding of said ribbon while being wound inside said bobbin.

5. (Currently Amended) ~~Method~~ The method according to claim 4, wherein said layer is provided by at least one of an adhesive tape having a first side with low coefficient of friction and a second side being adhesive, a coating with low coefficient of friction, and a fluid.

6. (Currently Amended) ~~Method~~ The method according to claim 1,
further comprising ~~the additional step of~~:
arranging a flexible transmission element so that ~~it~~ the flexible
transmission element is in continuous co-operation with the innermost winding of said ribbon, ~~further facilitating so as to facilitate~~ sliding of said ribbon while being wound inside said bobbin, thus forming the core.

7. (Currently Amended) ~~Method~~ The method according to claim 5,
further comprising the additional step of:

arranging a mediating element ~~means~~ in connection to said ribbon for mediating co-operation between said flexible transmission element and said ribbon, said mediating element ~~means~~ engaging with said flexible transmission element over a distance corresponding to at least a fraction of the innermost winding inside said bobbin of said ribbon.

8. (Cancelled)

9. (Currently Amended) ~~Method~~ The method according to claim 1, wherein ~~the step of~~ feeding said ribbon of magnetic material through said opening further comprises:

rotating said bent bobbin together with said coil; and
stopping, ~~essentially~~ instantaneously, the rotation of said bent bobbin together with said coil.

10. (Currently Amended) ~~Method~~ The method according to claim 1, wherein ~~the step of~~ feeding said ribbon of magnetic material through said opening further comprises:

injecting a medium through said opening, thereby creating a variable gap between the outer curvature of the interior of said hollow bobbin, being in a bent position, and said ribbon; and
leading said medium out from said hollow bobbin.

11. (Currently Amended) ~~Method~~ The method according to claim 1, wherein said method is performed in a magnetic field.

12. (Cancelled)

13. (Currently Amended) ~~System for manufacture of~~ A system for manufacturing toroidal transformers, the system comprising:

means for arranging a coil around ~~the~~ a periphery of at ~~least~~ least one hollow bobbin of elongated shape and of flexible material;

means for bending said at least one bobbin, together with said coil, so that ends of the bobbin ~~ends~~ are brought towards each other, at least one of said bobbin ends defining an opening; and

means for feeding a ribbon of magnetic material through said opening, so that said ribbon is being wound a required amount of tightly packed winding turns inside said bobbin until ~~essentially the whole~~ substantially an entire interior cavity of said bobbin is filled, said ribbon thereby forming a core.

14. (Currently Amended) ~~Toroidal manufacture of toroidal transformers, according to claim 1.~~ A toroidal transformer, comprising:

a hollow bobbin including at least one tube of flexible material having a substantially rectangular shaped interior hollow cross-section, wherein said hollow bobbin extends from a first end to a second end and is bent in such a way that said first end and said second end are brought towards each other;

a coil arranged around a periphery of said bobbin; and

a core formed by a ribbon wound inside the hollow bobbin.

15. (Currently Amended) Use of a toroidal transformer according to claim 14 in an electrical equipment ~~equipment, such as adaptors.~~

16. (New) Use of a toroidal transformer according to claim 15 in adaptors.